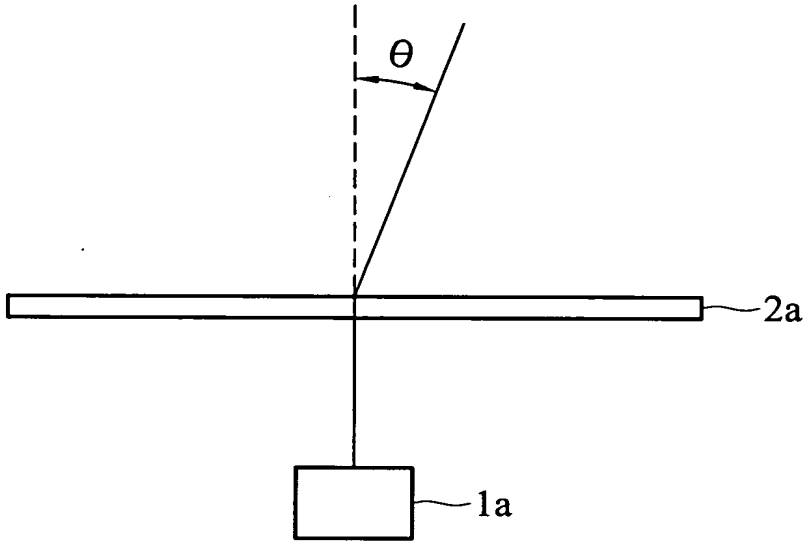

FIG. 1 (RELATED ART)

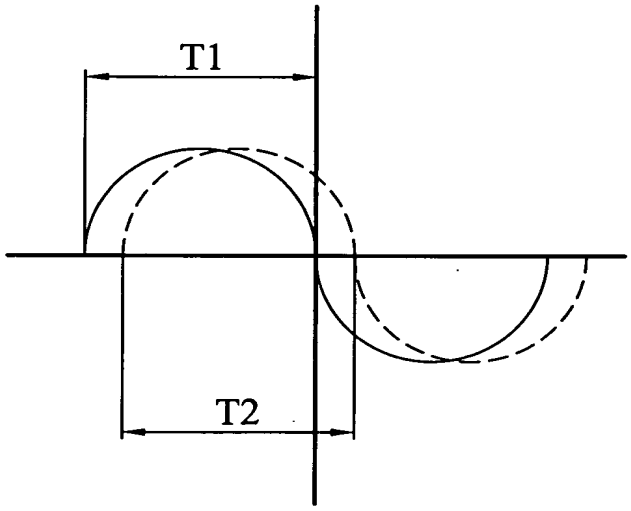

FIG. 2 (RELATED ART)

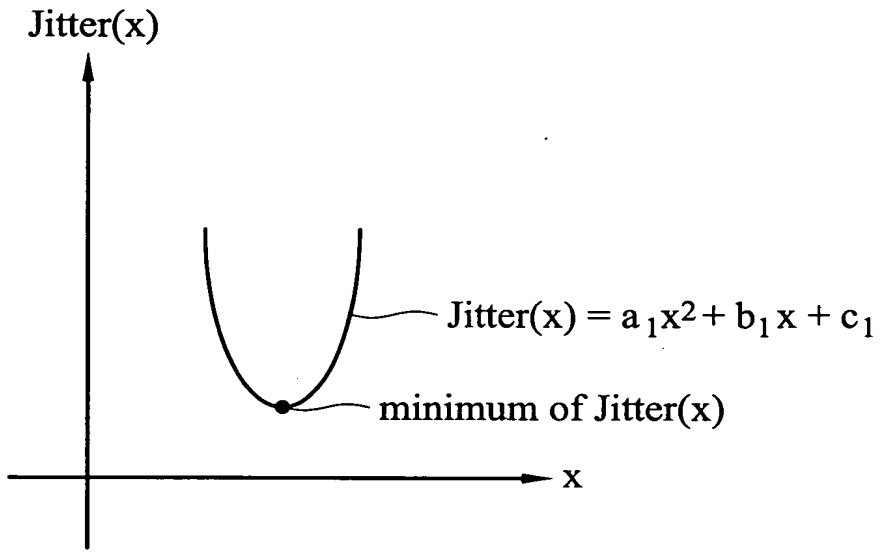

FIG. 3 (RELATED ART)

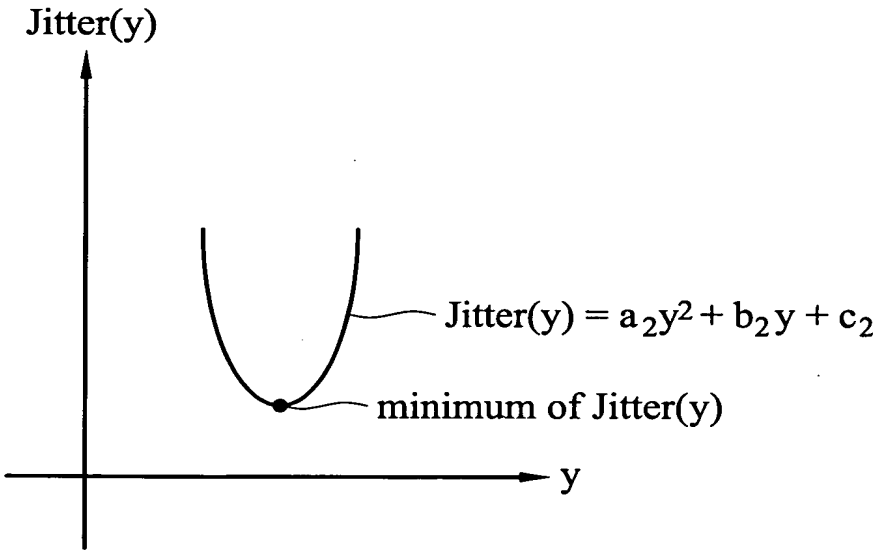

FIG. 4 (RELATED ART)

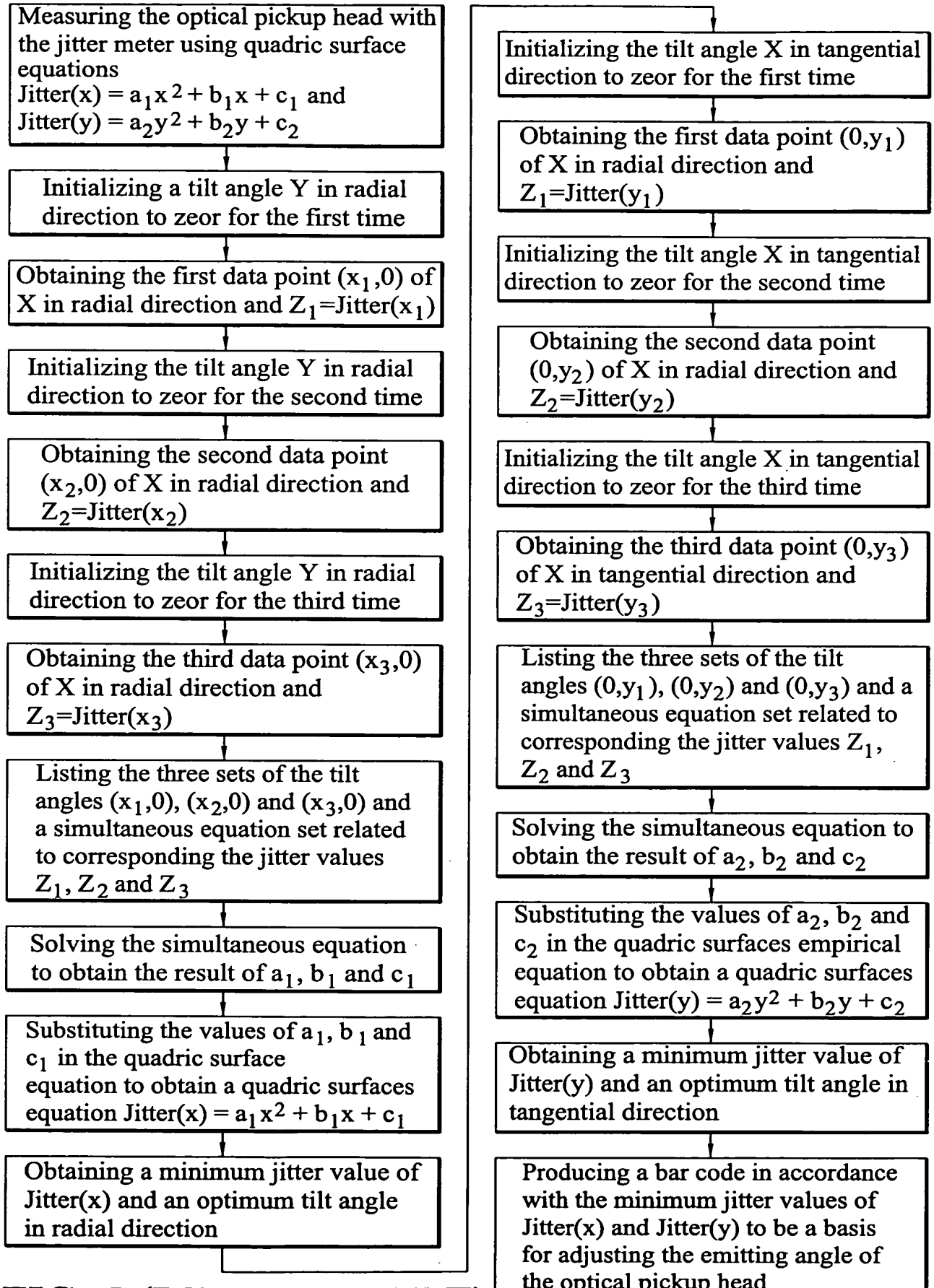

FIG. 5 (RELATED ART)

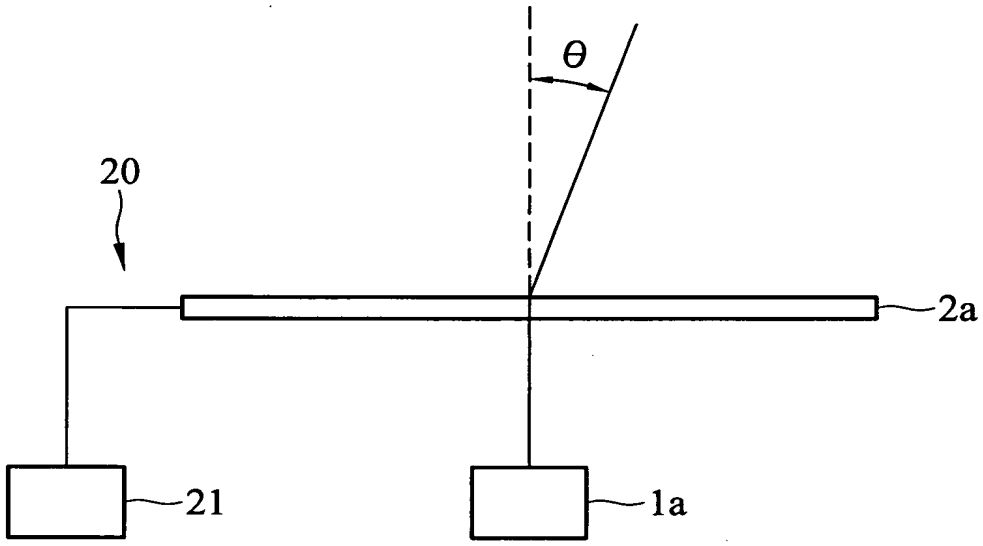

FIG. 6

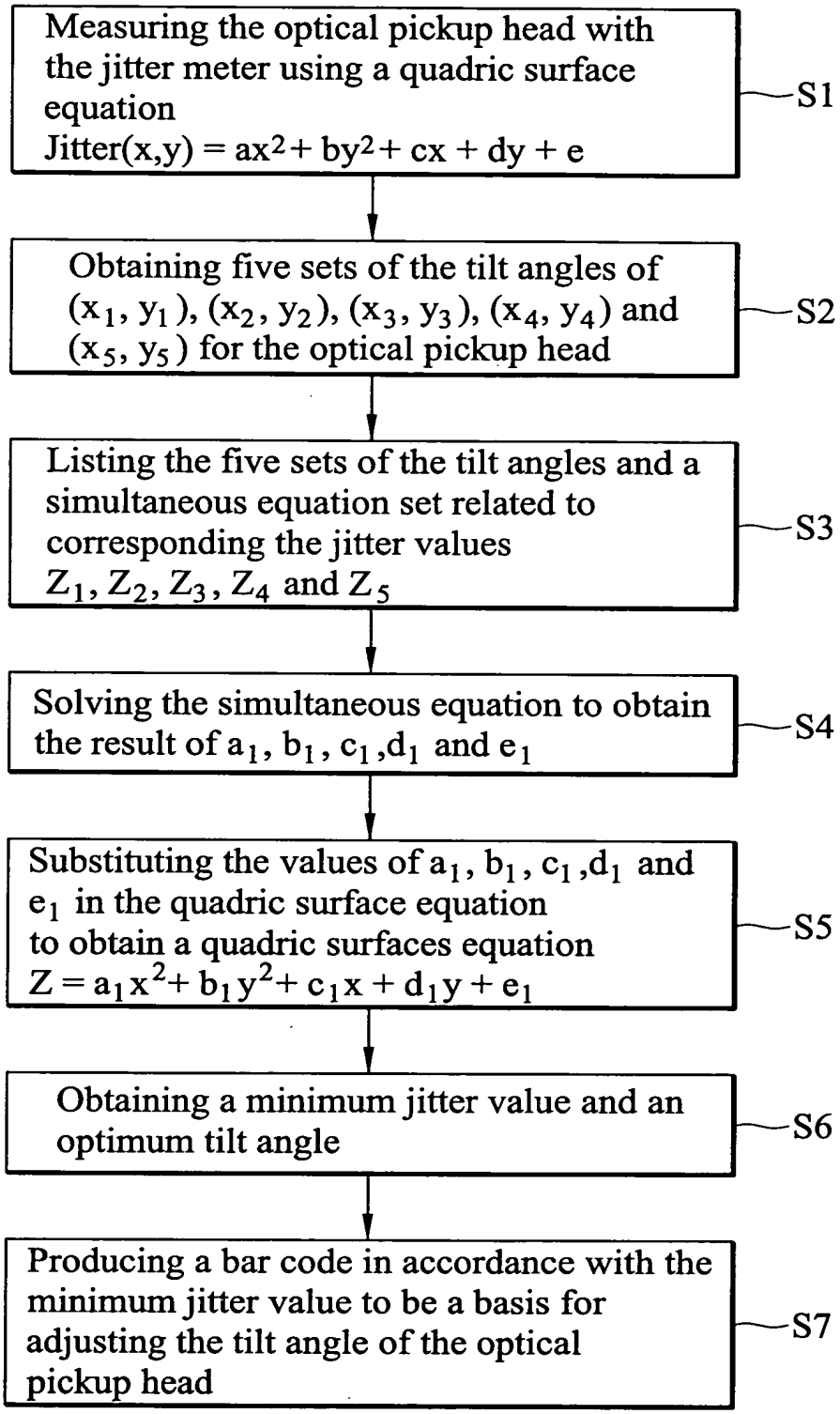
Measuring the optical pickup head with the jitter meter using a quadric surface equation
Jitter(x,y) = ax2+ by2+ cx + dy + e
S1
Obtaining five sets of the tilt angles of (x1, y1), (x2, y2), (x3, y3), (x4, y4) and (x5, y5) for the optical pickup head
S2
Listing the five sets of the tilt angles and a simultaneous equation set related to corresponding the jitter values Z1, Z2, Z3, Z4 and Z5
S3
Solving the simultaneous equation to obtain the result of a1, b1, c1,d1 and e1
S4
Substituting the values of a1, b1, c1,d1 and e1 in the quadric surface equation to obtain a quadric surfaces equation Z = a1x2+ b1y2+ c1x + d1y + e1
S5
Obtaining a minimum jitter value and an optimum tilt angle
S6
Producing a bar code in accordance with the minimum jitter value to be a basis for adjusting the tilt angle of the optical pickup head
S7

FIG. 7

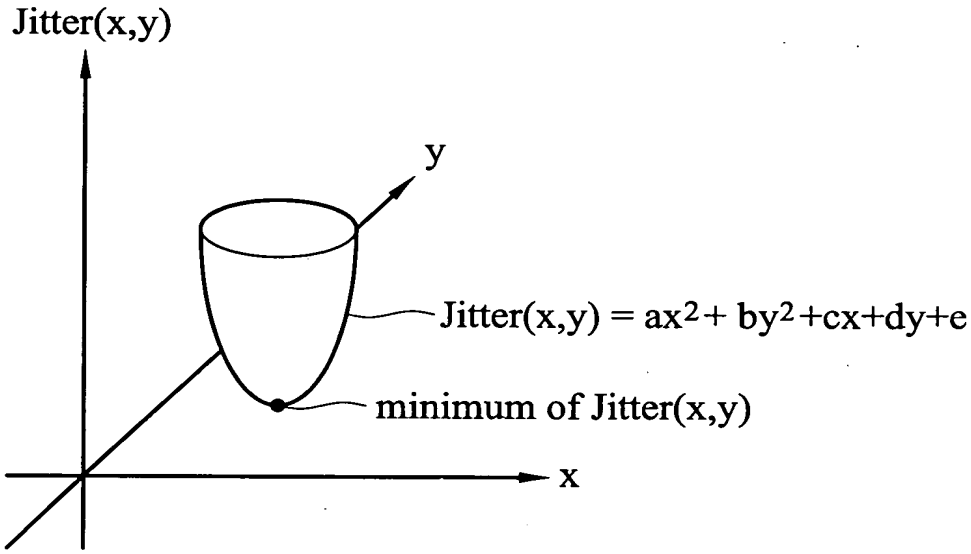

FIG. 8